RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/577,433
Source: IFWP
Date Processed by STIC: 05/09/2006

ENTERED

IFWP

RAW SEQUENCE LISTING DATE: 05/09/2006
PATENT APPLICATION: **US/10/577,433** TIME: 11:15:58

Input Set : **A:\Sequence Listing.txt**
Output Set: **N:\CRF4\05092006\J577433.raw**

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      3 <110> APPLICANT: FnP corp., Ltd
      5 <120> TITLE OF INVENTION: Molecular marker associated with CMV resistance and use
thereof
      7 <130> FILE REFERENCE: OP04-1077
C-->  9 <140> CURRENT APPLICATION NUMBER: US/10/577,433
C-->  9 <141> CURRENT FILING DATE: 2006-04-27
      9 <150> PRIOR APPLICATION NUMBER: KR 2003-75272
     10 <151> PRIOR FILING DATE: 2003-10-27
     12 <160> NUMBER OF SEQ ID NOS: 28
     14 <170> SOFTWARE: KopatentIn 1.71
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     17 <211> LENGTH: 10
     18 <212> TYPE: DNA
     19 <213> ORGANISM: Artificial Sequence
     21 <220> FEATURE:
     22 <223> OTHER INFORMATION: RAPD primer (OPC-07)
     25 <400> SEQUENCE: 1
     26 gtcccgacga                                                          10
     29 <210> SEQ ID NO: 2
     30 <211> LENGTH: 1027
     31 <212> TYPE: DNA
     32 <213> ORGANISM: Capsicum annuum
     34 <400> SEQUENCE: 2
     35 gacataatgt gtgactatga gtagtagggt acggactcat agggccaata gtatggatgg        60
     37 cttgtgacat tgcccagaca acaagtcatg gtgacaactc gtartcagtc ttarcgagtc       120
     39 ttcatgtaac ccgtagcgac taggcggtag atttttagct tacatttaag gcatcttact       180
     41 aatttctctc tttcccaaca aaatacccccc gacatataac acattgggga ccctattttc      240
     43 ataactttaa caatcaatga cacctchtaa ccccccttaaa ytccccactc aaaggcaaga      300
     45 ctagggtttc aagaaattgg tcatctaggg ctctacgagt gatttcttct tcaaatttct       360
     47 tggggattaa ggcatgtatc tctatcccta aacttttttt tcattatgta attaattggt       420
     49 ttattattca catggttttg atgttgggtt tagcatgatg ggttgagtgt tttggatgta      480
     51 atttgtttaa atgcttttcc cttgcttatt atggaataat tttatttgaa ttgatgatta       540
     53 gtaaaatcat ttgggtgctt gggaatggtg aatgaaatag ggggtacaag gattccctaa       600
     55 atttgtaaac aatggaaata ggggttcaag gatcacccaa ataattggat ttttgaataa      660
     57 ttggattttt gtattgaaat tgataagaac ctcaacacac ttgcataatt ggttytagaa      720
     59 tgtgattaat taattttcta ggcctacttt cttaraatta rcgcattgca taagaggata      780
     61 acatayaaga atgatcttaa aaacgttgtg aggtacaagg attcacctaa gtgaatgatt      840
     63 tttcttgaaa accttgtgcg gtacaaggat tctccaaagt gtatgataaa tggagtttgg      900
     65 gtgtacaagg attcttccaa gtaatggatt aattgaattt ctagtaagat ttagtcagta      960
     67 tgacgatgcc acttcataat gccttactta tgtttcagac tatctttcga attcttcttt     1020
     69 tgggcta                                                             1027
     72 <210> SEQ ID NO: 3
     73 <211> LENGTH: 21
     74 <212> TYPE: DNA
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75 <213> ORGANISM: Artificial Sequence
77 <220> FEATURE:
78 <223> OTHER INFORMATION: CRSCC07a primer for inverse PCR
81 <400> SEQUENCE: 3
82 gtcccgacga tagcccaaaa g 21
85 <210> SEQ ID NO: 4
86 <211> LENGTH: 20
87 <212> TYPE: DNA
88 <213> ORGANISM: Artificial Sequence
90 <220> FEATURE:
91 <223> OTHER INFORMATION: CRINVR65 primer for inverse PCR
94 <400> SEQUENCE: 4
95 ttggccctat gagtccgtac 20
98 <210> SEQ ID NO: 5
99 <211> LENGTH: 20
100 <212> TYPE: DNA
101 <213> ORGANISM: Artificial Sequence
103 <220> FEATURE:
104 <223> OTHER INFORMATION: CRINVR125 primer for inverse PCR
107 <400> SEQUENCE: 5
108 actgactacg agttgtcacc 20
111 <210> SEQ ID NO: 6
112 <211> LENGTH: 20
113 <212> TYPE: DNA
114 <213> ORGANISM: Artificial Sequence
116 <220> FEATURE:
117 <223> OTHER INFORMATION: CRINVF629 primer for inverse PCR
120 <400> SEQUENCE: 6
121 taggggttca aggatcaccc 20
124 <210> SEQ ID NO: 7
125 <211> LENGTH: 20
126 <212> TYPE: DNA
127 <213> ORGANISM: Artificial Sequence
129 <220> FEATURE:
130 <223> OTHER INFORMATION: CRINVR796 primer for inverse PCR
133 <400> SEQUENCE: 7
134 tatcctctta tgcaatgcgc 20
137 <210> SEQ ID NO: 8
138 <211> LENGTH: 20
139 <212> TYPE: DNA
140 <213> ORGANISM: Artificial Sequence
142 <220> FEATURE:
143 <223> OTHER INFORMATION: CRINVR840 primer for inverse PCR
146 <400> SEQUENCE: 8
147 aatccttgta cctcacaacg 20
150 <210> SEQ ID NO: 9
151 <211> LENGTH: 20
152 <212> TYPE: DNA
153 <213> ORGANISM: Artificial Sequence

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155 <220> FEATURE:
156 <223> OTHER INFORMATION: CRINVF975 primer for inverse PCR
159 <400> SEQUENCE: 9
160 cgatgccact tcataatgcc 20
163 <210> SEQ ID NO: 10
164 <211> LENGTH: 20
165 <212> TYPE: DNA
166 <213> ORGANISM: Artificial Sequence
168 <220> FEATURE:
169 <223> OTHER INFORMATION: Inv 1030514 R primer for inverse PCR
172 <400> SEQUENCE: 10
173 gacttgggca ctacactgga 20
176 <210> SEQ ID NO: 11
177 <211> LENGTH: 20
178 <212> TYPE: DNA
179 <213> ORGANISM: Artificial Sequence
181 <220> FEATURE:
182 <223> OTHER INFORMATION: Inv 1030514 F primer for inverse PCR
185 <400> SEQUENCE: 11
186 acataggcgt gtgctctgga 20
189 <210> SEQ ID NO: 12
190 <211> LENGTH: 21
191 <212> TYPE: DNA
192 <213> ORGANISM: Artificial Sequence
194 <220> FEATURE:
195 <223> OTHER INFORMATION: CR 1541-3 primer for inverse PCR
198 <400> SEQUENCE: 12
199 ggagtttcat catatgaagc c 21
202 <210> SEQ ID NO: 13
203 <211> LENGTH: 22
204 <212> TYPE: DNA
205 <213> ORGANISM: Artificial Sequence
207 <220> FEATURE:
208 <223> OTHER INFORMATION: InvXbTopF1010 primer for inverse PCR
211 <400> SEQUENCE: 13
212 ggttcaagga tcacccaaat aa 22
215 <210> SEQ ID NO: 14
216 <211> LENGTH: 22
217 <212> TYPE: DNA
218 <213> ORGANISM: Artificial Sequence
220 <220> FEATURE:
221 <223> OTHER INFORMATION: InvXbTopR107 primer for inverse PCR
224 <400> SEQUENCE: 14
225 ttcaccttag tccccaaacc ta 22
228 <210> SEQ ID NO: 15
229 <211> LENGTH: 20
230 <212> TYPE: DNA
231 <213> ORGANISM: Artificial Sequence
233 <220> FEATURE:

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234 <223> OTHER INFORMATION: EV Inver F2 primer for inverse PCR
237 <400> SEQUENCE: 15
238 aacccaagcc tattttagcc 20
241 <210> SEQ ID NO: 16
242 <211> LENGTH: 22
243 <212> TYPE: DNA
244 <213> ORGANISM: Artificial Sequence
246 <220> FEATURE:
247 <223> OTHER INFORMATION: EV-INV-XbaI primer for inverse PCR
250 <400> SEQUENCE: 16
251 ggtaataggg ttcaccttag tc 22
254 <210> SEQ ID NO: 17
255 <211> LENGTH: 20
256 <212> TYPE: DNA
257 <213> ORGANISM: Artificial Sequence
259 <220> FEATURE:
260 <223> OTHER INFORMATION: CRINVF5095 primer for inverse PCR
263 <400> SEQUENCE: 17
264 ctttgagcca aagaatggaa 20
267 <210> SEQ ID NO: 18
268 <211> LENGTH: 20
269 <212> TYPE: DNA
270 <213> ORGANISM: Artificial Sequence
272 <220> FEATURE:
273 <223> OTHER INFORMATION: CRINVR4776 primer for inverse PCR
276 <400> SEQUENCE: 18
277 tttggtaatg accggagacc 20
280 <210> SEQ ID NO: 19
281 <211> LENGTH: 20
282 <212> TYPE: DNA
283 <213> ORGANISM: Artificial Sequence
285 <220> FEATURE:
286 <223> OTHER INFORMATION: INVER0827R primer for inverse PCR
289 <400> SEQUENCE: 19
290 atagcagagg agcaccctac 20
293 <210> SEQ ID NO: 20
294 <211> LENGTH: 22
295 <212> TYPE: DNA
296 <213> ORGANISM: Artificial Sequence
298 <220> FEATURE:
299 <223> OTHER INFORMATION: INVER0827F1 primer for inverse PCR
302 <400> SEQUENCE: 20
303 ggtacaagga ttccccaaag tg 22
306 <210> SEQ ID NO: 21
307 <211> LENGTH: 25
308 <212> TYPE: DNA
309 <213> ORGANISM: Artificial Sequence
311 <220> FEATURE:
312 <223> OTHER INFORMATION: INVER0827F2 primer for inverse PCR

RAW SEQUENCE LISTING DATE: 05/09/2006
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Input Set : **A:\Sequence Listing.txt**
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315 <400> SEQUENCE: 21
316 gatttagtca gtatgacgat gccac 25
319 <210> SEQ ID NO: 22
320 <211> LENGTH: 5591
321 <212> TYPE: DNA
322 <213> ORGANISM: Capsicum annuum
324 <400> SEQUENCE: 22
325 tctagaacta gccagttcat gaggctcaat cctctgacct ttactagctc taaggtttag 60
327 gaggatcctc aaaggttcat gtatgagata gaaaaaacat ttagagtgat acatgctttc 120
329 gactctgaag gtgtataatt ttcaaaatat cagctgaagg atgtggtata tcaatggtat 180
331 gagaagtagg agcagttgag gggggatgat gctgagttag tcatatggga tatttttcta 240
333 gtacctttct tgattatttc tttcctcagg agataaggaa agcaaatgct gaggagttta 300
335 tgaataactt gataagggtt tgatccaccc tagtatttct ctgtagggtg ctcctctgct 360
337 atttatttgt tagaaagatg gttcccttta gatgtgtata gattatcgct agttgaataa 420
339 ggtgactatg aagaaaaagt accctctccc taagattgat gatttattca tccagcttca 480
341 gggtgcaaag tacttttcta aaattaatct ctgttaaggt tattattagt tgaaaattag 540
343 ggatgtggat atccctaagg ctacttttca aacccagtgt ggtcattatg agtttttggt 600
345 gatgtcctat ggtttgacta atgctccggt ggcaatcaag gatcttatga acatagtatt 660
347 ctgttagttc ctggatttat ttgttattgt gttaatagat gatattttgg tatattctaa 720
349 gagcgaggct gatcacgccg atcatctcca tatagtattg caaactttta aagatcaact 780
351 gttgtacgcc aaattttcta agtgtgaatt atggttgaat gtggtgacct tccttggtta 840
353 tattatttct agtgagggga ttatggtgga tccacaaaaa ttttatgcgg tgaagaagtg 900
355 gcctaaaacc atgattccaa ccaatattta gagttttgg gtttagttag atattatagg 960
357 aggtttgtgg agagtttctc atcaattgat gctctattta ttaagttaac tcagaaaaaa 1020
359 ggtatggttt ctatggtcca atgcttgtca gggtagcttt gataagttga aggataagtt 1080
361 gactttggat atgatcttga ccctacccga aggttttaat gttttttaa ttttgatgca 1140
363 tcccgtgtag gacttggttg tgttttgatg tagaaacaat agggttctgg cctatgcttc 1200
365 taggaaattg aaagttcatg aaatgaatta tgcgacacat aacttagaat tattagttgt 1260
367 ggtattttca ttgaagctta ggtatcgtta tttgtatggg ttcatgttga tatatgtttt 1320
369 gatcataaga ttctgtagta tgtgttcacc cagaaggagt tgaatctcag gcaaaggaca 1380
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373 atggttgttg gtattcttag taggttgtcc atgggaagat ataaaatat ggatgaggaa 1500
375 aaatgagatt tggtgaagta tattcaccga tttggtaacc ttggagttcg tcttttggat 1560
377 tctgaggatg gaggtatggt tgttcaagag gtggtgaagt catctcttag tgttgaagta 1620
379 aaagcgaaac atgtcttgga tcctatctta atgcaaatca aagatgatgt gggtcaacag 1680
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385 atggctcatc ttggtttgac gaagatgtac catgattcga aggagattta ttggttgaat 1860
387 aatatgaaga gagatgtggc aaattttgtt gctatgttca tggtttgcca acaagtgaag 1920
389 gtggggaacc taaggcctgg tggattctat cgctcgtgtg gaagtgagag gtaatcagta 1980
391 tggattttgt ttccagtctt ccacggtctc gtagtaaatt ttatttgatt tgggtcatca 2040
393 ttgataggat gtctaagtct actcacttct tgccagtgag gactaataat tcatgggagg 2100
395 actacgcgaa gtttttcatt caggatatca tcaagttgca tggtgcttta gtttctatta 2160
397 tatctgatcg aggtactcag ttctcgtcta acttttagtg attatttcat gtaggtttgg 2220
399 ggactaaggt gaaccctatt accattttcc acccacagaa agatgtacaa gcagagagga 2280
401 ctattcagac tttggatagt atgctaaagg tatttgtgat taacttttgt ggtatttggg 2340
403 tttaccatat gcctctctta ctgtttgtgt ataataacaa ctattattct agcattcaga 2400
405 tgccccgttt gaggctttgg atggtaggag atgtcgttct cctattgggt ggttcaaatt 2460
407 tggtaagact agattggtca gcctggactt tgttcatgaa gctatagata aggtgaaggt 2520

VERIFICATION SUMMARY DATE: 05/09/2006
PATENT APPLICATION: **US/10/577,433** TIME: 11:15:59

Input Set : **A:\Sequence Listing.txt**
Output Set: **N:\CRF4\05092006\J577433.raw**

L:9 M:270 C: Current Application Number differs, Replaced Current Application No
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date